User Guide

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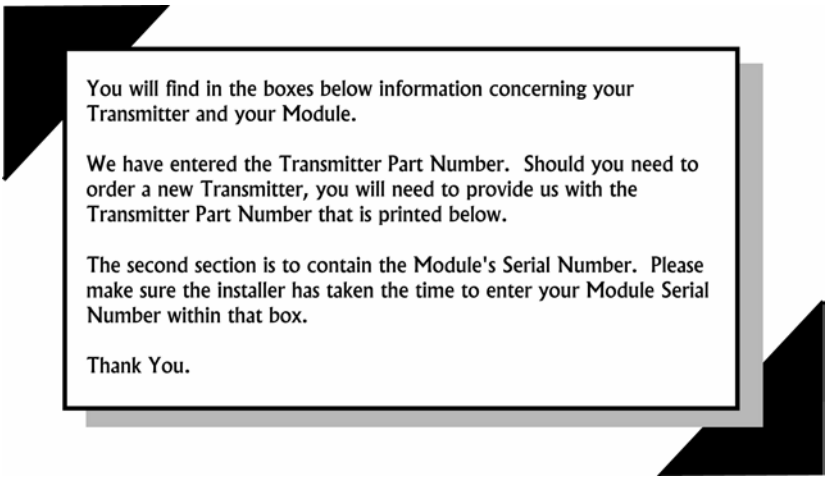
Transmitter Part Number and Module Serial Number


You will find in the boxes below information concerning your Transmitter and your Module.
We have entered the Transmitter Part Number. Should you need to order a new Transmitter, you will need to provide us with the Transmitter Part Number that is printed below.
The second section is to contain the Module's Serial Number. Please make sure the installer has taken the time to enter your Module Serial Number within that box.
Thank You.

Transmitter Part Number:

The installer is to write in the boxes below the Module's serial number and the location of the Valet Switch.

Module Serial Number:

Valet Switch is located (if installed):

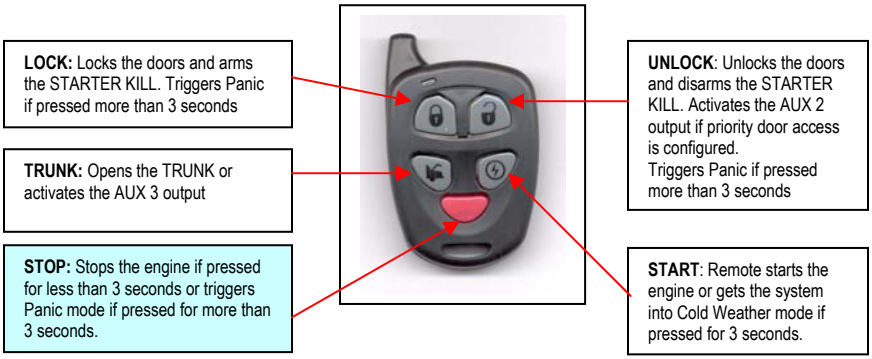
Introduction

This Module is a state-of-the-art combination of an Alarm system and a remote car starter. It represents a major breakthrough in vehicle security technology and remote starter systems. This unit is distributed with a super-heterodyne antenna with range of up to 1500 feet / 450 m.

Basic Remote Operation

This system is equipped with a 5-button multi-channel two-way transmitter. It can operate two independent identically-equipped vehicles (see **Multi-Car Operation** for second-car transmitter functions).

The functions of the transmitter are as follows:


LOCK: Locks the doors and arms the STARTER KILL. Triggers Panic if pressed more than 3 seconds
TRUNK: Opens the TRUNK or activates the AUX 3 output
STOP: Stops the engine if pressed for less than 3 seconds or triggers Panic mode if pressed for more than 3 seconds.
UNLOCK: Unlocks the doors and disarms the STARTER KILL. Activates the AUX 2 output if priority door access is configured.
Triggers Panic if pressed more than 3 seconds
START: Remote starts the engine or gets the system into Cold Weather mode if pressed for 3 seconds.

Note: Pressing the **LOCK** and **UNLOCK** buttons at the same time will activate the **AUX 2** output.

Remote-starting Your Vehicle

Remote-starting

Press the **START** button for approx. 1 second. The parking lights will come **ON**, informing you that the unit has received your signal. The engine will start approx. 5 seconds later. The parking lights will remain **ON** during the pre-programmed run time.

If the vehicle doesn't start at the first attempt, the system will shut down, wait a few seconds, and try to start the engine again. It will try to start the engine 3 times before giving up.

Vehicle Presets

Heater & Heated Seat

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, as well as heated seats (if equipped) should not be left on **HIGH**. It is recommended to leave the settings on **LOW** or **MEDIUM** instead.

Windshield Wipers & Radio & Headlights

Certain vehicles require the radio and / or windshield wiper and / or headlight circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wiper and headlight switches are **OFF**. Leaving the headlight switch **ON** on certain vehicles could cause them to remain **ON** even after remote starter shut down, resulting in a dead battery.

Driving Off

With the vehicle running under remote control, press the **UNLOCK** button to **DISARM** and **UNLOCK** the doors. Enter the vehicle and do the following:

- Turn the ignition key to the IGNITION ON (RUN) position. (**Do not** turn the key to the START position while the engine is running. This will cause the starter motor to re-engage.)
- Press the brakes to disengage the remote starter unit.

You are now ready to drive off.

Idle Mode

This feature allows you to remove the key from the ignition and leave the vehicle running for its pre-programmed run time while you are away from your vehicle. This feature is handy if you need to stop for a quick delivery, or at a convenience store.

To enable the Idle Mode:

1. Press and hold LOCK, UNLOCK or START on your transmitter while the engine is running.
2. The parking lights will come ON.
3. Remove the key, exit the vehicle;
   - Press the LOCK button if you need to lock the doors while the engine is running.

Caution: Do not leave children or pets unattended in a car running in Idle Mode.

Valet Mode

The system can be placed in Valet Mode to disable the remote starting capabilities. If the vehicle needs to be serviced, or if you park it indoors, the Valet Mode will prevent the engine from being remote-started accidentally.

To put the system *into* Valet Mode:

1. Turn the key to the IGNITION ON (RUN) position.
2. Within 3 sec. press the Valet button and release it, the Parking lights will flash 3 times. Turn the IGNITION OFF, the LED will come ON. (The system is in Valet Mode.)

To take the system *out of* Valet Mode:

1. Turn the key to the IGNITION ON (RUN) position.
2. Within 3 sec. press and release the Valet button, the Parking Lights will flash tiwce. The LED will go OUT. (The system is out of Valet Mode.)

The Valet button can only be used if the ignition key is in the IGNITION ON (RUN) position.

Ignition Valet

The system can be placed in Valet Mode to disable the remote starting capabilities. If the vehicle needs to be serviced, or if you park it indoors, Valet Mode will prevent the engine from being accidentally started by remote control.

To ENTER Valet Mode

1. With the key in the Ignition switch, turn the key to the ON (RUN/IGNITION) and then OFF positions 5 times within 10 seconds.
2. The Parking Light will flash 3 times indicating the Module is now in Valet Mode. The LED will turn ON solid.

To EXIT Valet Mode

1. With the key in the Ignition switch, turn the key to the ON (RUN/IGNITION) and then OFF positions 5 times within 10 seconds.
2. The Parking Light will flash twice indicating the Module is now out of Valet Mode. The LED will turn OFF.

Remote Valet

This feature will put your vehicle into Valet Mode using the remote transmitter instead of the Valet button as above.

> **Note:** Once the Electronic Valet is activated, the remote starter and Alarm features are disabled.

To put the system *into* Valet Mode:

1. Hold down the UNLOCK and START buttons simultaneously for 3 seconds.
2. **The Parking Lights will flash 3 times.**
   The siren will chirp twice and the LED will come ON.

To take the system *out of* Valet Mode:

1. Hold down the UNLOCK and START buttons simultaneously for 3 seconds.
2. **The Parking Lights will flash 2 times.**

The siren will chirp twice, then pause, then chirp twice again, and the LED will go OUT.

"Home Valet" ™ Mode

This safety feature will remotely place the vehicle into a no-remote-start mode: if the vehicle is parked indoors there is no danger of the vehicle starting by accident with the remote control.

> **Note:** Once the Home Valet Mode is activated, the vehicle will not start by remote.

To *activate* the Home Valet Mode:

- Press the LOCK or UNLOCK button.
- Within 3 seconds, press the STOP button until the parking lights go **out**.

To *disable* the Home Valet Mode:

- Turn the ignition key to the IGNITION ON (RUN) position.

The system will warn you if someone attempts to start your vehicle while it stands in Home Valet Mode. The parking lights will:

- Go ON then OFF; then
- Flash **twice**, pause; then
- Flash **twice** again.

Panic Mode

> **Safety feature:** Activate Panic Mode in an emergency situation.

In an emergency situation, you can activate Panic Mode using the LOCK or UNLOCK or STOP button. This will:

- Shut down the engine,
- Unlock the doors (if UNLOCK is pressed)
- Or lock the door (if LOCK is pressed),
- Disarm the Starter Kill and
- Activate the siren for 1 minute.

(See below for a description of the Starter Kill.)

To activate Panic Mode

- Press and hold the STOP button for approximately 3 seconds until the siren starts to sound and the parking lights flash

- Or press and hold the **UNLOCK** button for approximately 3 seconds until the siren starts to sound and the parking lights flash: this will unlock the doors before the siren sounds.
- *Or* press and hold the **LOCK** button for approximately 3 seconds until the siren starts to sound and the parking lights flash: this will lock the doors before the siren sounds.

Panic Mode will automatically shut down after 1 minute.

> **Note:** To stop Panic Mode before the 1-minute delay, press the **LOCK** or **UNLOCK** button until the siren stops.

Quick Lockout™

(Also called **Secure Panic**.) For fast protection, the system will **LOCK** all doors when you press the **brake pedal while the siren is sounding**. (**Quick Lockout** is only available when *Panic* has been activated.)

Cold Weather Mode

When the Cold Weather Mode is active, the engine starts every 2 hours and runs for 4 minutes (or for 9 or 20 minutes with Diesel engines); the routine will go on for a period of 24 hours.

To *enter* Cold Weather Mode:

- Press and hold the **START** button for 3 seconds until the parking lights flash 3 times. (If Safe Start is enabled, the **START** button must be pressed beforehand – see below.)

To *enter* Cold Weather Mode if Safe Start has been activated:

- Press and hold the **START** button for 3 seconds until the parking lights flash 3 times.

To *exit* Cold Weather Mode, do any one of the following:

- Open the hood.
- Start the engine using the remote control.
- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Press and hold the **START** button for 3 seconds. (The parking lights will flash once.)

To check whether Cold Weather Mode is active, press and release the brake pedal: the parking lights should stay on while your foot is on the brake pedal.

Priority Door Access

This safety feature lets you unlock only the driver's door when you press the **UNLOCK** button on the transmitter, and then **UNLOCK** the rest of the vehicle doors if the **UNLOCK** button is pressed for a second time within 3 seconds.

Chirp Delete

To temporarily disable the siren's chirp confirmations upon arming and disarming (e.g. in a quiet neighbourhood):

1. Press the **TRUNK** button, the Parking Light will flash once
2. Within 3 seconds, press the **LOCK** or **UNLOCK** button to arm or disarm without any chirps.

> **Note:** Your installer can program the Chirps Disabled feature if you want the chirps to be permanently disabled.

Shock Delete

The shock sensor can be temporarily disabled. **To temporarily disable shock and warn-away sense**:

- Press the **TRUNK** button and, within 3 seconds,
- Press the **STOP** button.

Shock senses will now be ignored until the next disarming of the system.

User-selectable Options

The system was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

> **Note:** The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your system.

The user-selectable options are as follows:

- Safe Start
- Remote Door Locks
- Passive or Active Arming
- Disarm Notification
- Shock Sense and Warn-Away Sense
- Siren Chirps
- Ignition-Controlled Door Locks
- Ignition Re-Lock
- Secure Lock
- Remote Trunk Release
- Starter Kill
- Engine Run Time
- Multi-Car Operation

Safe Start

> **Safety feature:** Safe Start features will prevent accidental remote starts.

If this feature is enabled, the user must press the **START** button 2 times within 3 seconds to remote-start the vehicle.

If **Swap Start** Mode has been configured by your installer, to remote-start your vehicle press **LOCK** and **UNLOCK** simultaneously. (Press Start to trigger the **AUX 2** output.)
Safe Start features will eliminate accidental remote starts, e.g. when there are children playing with the transmitter.

Remote Door Locks

If your system was installed with the Remote Door Locks option, you will have the convenience of remote keyless entry.

To UNLOCK your doors and DISARM the system:

1. Press and hold the **UNLOCK** button for approx. 1 sec.
2. The parking lights will flash twice and the LED will go out to confirm that the doors have been unlocked, that the Starter Kill feature is disarmed (if it was installed) and that the Alarm is disabled.

To LOCK your doors and ARM the system:

1. Press and hold the **LOCK** button for approx. 1 sec.
2. The parking lights will flash once and the LED will flash slowly to confirm that the doors have been locked, that the Starter Kill feature is enabled (if it was installed) and that the Alarm is armed.

Passive or Active Arming

By default, the system is configured to **Passive Arming Mode**. In Passive Arming Mode, the Starter Kill and the Alarm will automatically arm **30 seconds** after the last door is closed. The system will not arm itself if a door is left open.

> **Important note:** When the system re-arms automatically or if there is an Alarm condition, you can disarm the system by simply pressing the **UNLOCK** button.

Disarmed Notification

(**OFF** by default.) This feature will notify the user when the vehicle was left disarmed: after the Engine has been shut down and all doors have been closed, after 10 seconds the horn will honk once if the doors have been left unlocked.

Shock Sense And Warn-Away Sense

(Both enabled by default.) This system can react to a full shock by triggering the Alarm; it can also respond to a lighter shock (30 % of the strength of a full shock) by giving a *warn-away* (without triggering an Alarm condition). When the Engine is running after a remote start, however, **the system will prevent any Alarm condition to be triggered** ; it will still give a warning sound if *warn-away* is enabled.

Siren Chirps

(On by default.) The siren will chirp to confirm the system's basic operations:

- By default, when the doors are being **locked** the siren will give **one chirp** if none of the zones are active.
- If a **zone is active** as the doors are being **locked**, the siren will give **three chirps**.
- When the doors are being **unlocked**, the siren will give **two chirps** if no intrusion was detected.
- If an **intrusion was detected**, as the doors are being **unlocked** the siren will give **four chirps**.

The system can alternatively be set to:

- **Warning Mode** (no chirp during lock/unlock – unless a zone is active when locking, in which case there will be 3 chirp upon locking – or unless the alarm was triggered, in which case there will be 4 chirps when unlocking);
- **Open Zone Notification** (the system will warn for doors opened up to 10 seconds after arming).
- **No Chirp** (the vehicle will not chirp under any circumstance).

Open Zone Notification:

(Off by default.) This feature will warn the user when a Door is left open: upon the arming of the Module, a 10-sec. notification delay will take place, after which the Siren will chirp 3 times if an open door is detected.

Ignition-Controlled Door Locks

This is an added security feature. If your system was installed with the Ignition-Controlled Door Locks option, the doors will automatically be locked as soon as the key is turned to the **IGNITION ON (RUN)** position while the brakes are pressed. When the key us turned to the **OFF** position, the doors will automatically be unlocked.

Ignition Re-Lock
When the Ignition-Controlled Door Locks option is enabled and the ignition is ON, should any door be unlocked and opened, all the doors will be re-locked next time the brake pedal is pressed.

Secure Lock
This is an added security feature. If your system was installed with the Secure Lock option, it will automatically lock your doors and arm the system 4 seconds after your start your car by remote. The system will automatically lock the doors again after shut-down.

Remote Trunk Release
If your system was installed with the Remote Trunk Release, you can open your trunk by pressing the TRUNK button for 3 sec. on the transmitter, or by pressing the TRUNK button **twice** within 3 sec.

Starter Kill
This added security feature will immobilize your vehicle when the system is armed. If your system was installed with the Starter Kill option, you will not be able to start your vehicle with the key unless the system has been disarmed first.
The Starter Kill option follows the Alarm arming function, and can therefore be programmed to be **active** (will not arm automatically) or **passive** (will arm automatically).
In **passive** Mode, the Starter Kill can be set to arm automatically in 30 seconds either with or without Siren chirps.
To **disarm** the Starter Kill, press and hold the UNLOCK button on the transmitter. The parking lights will flash twice. (If door locks were installed, this will also unlock the doors.)
In **passive** Mode, the system will automatically re-arm itself 30 seconds after unlocking the doors if the key has not been inserted in the ignition by then.
To **arm** the Starter Kill, press and hold the LOCK button on the transmitter. The parking lights will flash once. (If the door locks were installed, this will also lock the doors.)

Engine Run Time
If you have a gas engine, your system can be programmed to run the engine for 4, 15, or 25 minutes (15 min default). If you have a diesel engine, it can be programmed to run the engine for 9, 20, or 30 minutes (20 min default).

Extended Run Time
With the vehicle running under a remote start, pressing and holding the START button for more than 1 seconds will reset the run time counter to zero and restart the run time cycle from the beginning.
To stop the vehicle, at any moment, simply press the STOP button. This procedure can only be carried out once per remote start.
Example: if your Module is programmed for a run time of 3 minutes and your vehicle has been running for 2 minutes already, pressing the START button will reset the counter to zero and the Engine will run for another cycle (in this case, 3 minutes).

Multi-Car Operation
This option allows the owner of two vehicles, both equipped with identical systems, to control both systems with only one remote transmitter. To control the second vehicle, simultaneously press the TRUNK button and the button of the function you wish to use:

- Press **TRUNK** + **LOCK** button simultaneously: ..... **LOCK**
- Press **TRUNK** + **UNLOCK**: ..... **UNLOCK**
- Press **TRUNK** + **START**: ..... **START**
- Press **TRUNK** + **STOP**: ..... **STOP**
- Press **TRUNK** + **LOCK** + **UNLOCK**: ..... **AUX 3 (TRUNK)**
- Press **TRUNK** + **START** for 3 sec: ..... **COLD WEATHER MODE**

Car Finder

When enabled, the Car Finder option will help you locate your vehicle by sending a pulsating signal through the horn or the siren. To hear the signal, **press the LOCK and UNLOCK buttons** simultaneously. This will produce a pulsating signal for the time you keep the buttons pressed.

Diagnostics – Chirps Diagnostics – Parking Lights

Chirps	Description
1	• Lock and arm the system. • **LOCK** confirmation. • Entering Mode 1 in the programming options. • Start attempt when engine is already running under remote control.
2	• Unlock and disarm. • Transmitter learnt. • Entering Remote Valet. • Entering Mode 2 in programming options.
3	• Lock and arm – a zone is unprotected. • Entering Mode 3 in the programming options.
4	• Unlock and disarm – an intrusion occurred. • Entering Tach Learning procedure.
5	• Siren or Horn Chirp Timing adjustment.
Constant up to 60 seconds	• In Siren Mode: alarm condition generated by an intrusion, by Panic Mode or when the Module is powered up. The Siren will sound for 60 sec.
Constant up to 30 seconds	• In Horn Mode: alarm condition generated by an intrusion, by Panic Mode or when the Module is powered up. The Horn will sound for 30 sec.

Parking Lights Flash Rate (Normal Operation)

Flashes	Description
1	• Doors locked, Starter Kill armed. • End of Run Time. • **TRUNK** button pressed • **START** signal received by the Module. • Cold Weather Mode cancelled. • Cannot start after maximum number of attempts is reached.
2	• Run Time cancelled • Remote start attempt cancelled by remote • Doors unlocked, Starter Kill disarmed • Exiting remote valet • Exiting Ignition Valet
3	• Entering Cold Weather Mode • Entering remote valet • Entering Ignition valet • Extended runtime
4	• +12 volts detected on the Brake line; cranking cancelled • Entering Tach Learning
5	• New Transmitter learnt • Tach learnt
6	• Remote start attempt was made with a Tach or a vacuum signal detected before cranking
8	• Unit reset: occurs when the unit is reset to factory defaults
10	• The Hood Switch line went to ground during cranking or run time
1 – pause – 2	• There was an attempt to start the vehicle while the Module was in Valet Mode.
2 – pause – 2	• There was an attempt to start the vehicle while the Module was in Home Valet Mode.
ON solid	• **Cold Weather Mode**: the Brake Pedal is being held down
ON 2 sec.	• The Hood is up and the Hood Switch line went to ground. This is step one of the Programming Mode
ON 3 sec.	• First press of the **START** button under Safe Start. • Entering Home Valet Mode
ON 4 sec.	• **LOCK** or **UNLOCK** pulse (if door pulse is configured to 4 sec.)
ON 25 sec.	• If the Hood Pin-switch has been pressed twice: the Unit went into step 1 of the Programming cycle and no Transmitter activity was detected for 20 seconds • **Or** the Unit went into step 1 of the Transmitter Code Learning procedure and no activity was detected for a few seconds. The Unit has exited the Transmitter Code Learning procedure.
Irregular	• If the Module gives irregular flashes (1 to 10 flashes followed by a pause, followed by more flashes), it is in Playback Mode. This occurs when the Hood-switch line is flashed 3 times.
Constant flashes up to 30 sec.	• Panic Mode set off.